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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,814	03/10/2004	Sung-Yong Kang	21C-0117	7126
23413	7590	11/20/2007		
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			EXAMINER CHEN, WEN YING PATTY	
			ART UNIT	PAPER NUMBER
			2871	
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			11/20/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/798,814

Applicant(s)

KANG ET AL.

Examiner

W. Patty Chen

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) 1-8, 11, 14 and 16-21 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9, 10, 12, 13 and 15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>8/01/07</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Amendment***

The Amendment filed on Aug. 29, 2007 has been entered. Claims 1-21 remain pending in the current application, however, claims 1-8, 11, 14 and 16-21 are withdrawn from consideration.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 9, 10, 12, 13 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Uehara et al. (US 5659376).

With respect to claim 9 (Amended): Uehara et al. disclose in Figure 12 a backlight assembly comprising:

a receiving container (element 100C2) including a bottom plate and sidewalls protruded from edges of the bottom plate to form a receiving space (as shown in the figure);

a light exiting device (element 100B) disposed in the receiving space; and

a liquid crystal display panel supporting member including a first supporting member frame portion (elements 150 and 154 combined), a second supporting member frame portion (element 152) and a particle interceptor (element 151),

the first supporting member frame portion (elements 150 and 154 combined) having an opening (element 150a) formed in an internal face of the first supporting member frame portion,

the second supporting member frame portion (element 152) being vertically extended directly from the first supporting member frame portion (as shown in the figure), a side face of the liquid crystal display panel (element 101) that is to be mounted on the liquid crystal display panel supporting member facing an inner side face of the second supporting member frame portion, the second supporting member frame portion fixing the liquid crystal display panel (as shown in the figure),

the particle interceptor (element 151) having at least one recess (the concaved space formed between element 152 and element 151) being formed in a shape of a closed loop along a face of the first supporting member frame portion (Column 10, lines 16-17; wherein element 151 is formed surrounding the opening 150a of the first supporting member frame portion 150) facing the bottom plate (element 101b) of the liquid crystal display panel (element 101), the particle interceptor preventing particles from infiltrating into the particle interceptor.

As to claims 10 and 13: Uehara et al. further disclose in Column 10 line 16 that the particle interceptor comprises rubber, thus is made of a material having flowability.

As to claim 12: Since Uehara et al. disclose in Column 10 lines 16-17 that the particle interceptor 151 is formed in a closed loop, therefore, the space formed between the second supporting member frame portion 152 and the particle interceptor 151 is also in a shape of a closed loop.

With respect to claim 15 (Amended): Uehara et al. disclose in Figure 12 a backlight assembly comprising:

a receiving container (element 100C2) including a bottom plate and sidewalls protruded from edges of the bottom plate to form a receiving space (as shown in the figure);

a light exiting device (element 100B) disposed in the receiving space to exit a light;

a liquid crystal display panel (element 101) that converts the light into an image light;

a liquid crystal display panel supporting member including a first supporting member frame portion (elements 150 and 154 combined), a second supporting member frame portion (element 152) and a particle interceptor (element 151),

the first supporting member frame portion (elements 150 and 154 combined) having an opening (element 150a) formed in an internal face of the first supporting member frame portion,

the second supporting member frame portion (element 152) being vertically extended directly from the first supporting member frame portion (as shown in the figure), a side face of the liquid crystal display panel (element 101) that is to be mounted on the liquid crystal display panel supporting member facing an inner side face of the second supporting member frame portion, the second supporting member frame portion fixing the liquid crystal display panel (as shown in the figure),

the particle interceptor (element 151) having at least one recess (the concaved space formed between element 152 and element 151) being formed in a shape of a closed loop along a face of the first supporting member frame portion (Column 10, lines 16-17; wherein element 151 is formed surrounding the opening 150a of the first supporting member frame

portion 150) facing the bottom plate (element 101b) of the liquid crystal display panel (element 101), the particle interceptor preventing particles from infiltrating into the particle interceptor; and

a chassis (element 100C1) received in the receiving container, the chassis covering edges of a top face of the liquid crystal display panel (as shown in the figure).

Claims 9, 10, 13 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Niibori et al. (US 5808707).

With respect to claim 9 (Amended): Niibori et al. disclose in Figure 19 a backlight assembly comprising:

a receiving container (element 3e) including a bottom plate and sidewalls protruded from edges of the bottom plate to form a receiving space (as shown in the figure);

a light exiting device (element 27) disposed in the receiving space; and

a liquid crystal display panel supporting member including a first supporting member frame portion (the horizontally extended portion of element 17), a second supporting member frame portion (the vertically extended portion of element 17) and a particle interceptor (element 8),

the first supporting member frame portion (the horizontally extended portion of element 17) having an opening (element 19a) formed in an internal face of the first supporting member frame portion,

the second supporting member frame portion (the vertically extended portion of element 17) being vertically extended directly from the first supporting member frame portion

(as shown in the figure), a side face of the liquid crystal display panel (element 1) that is to be mounted on the liquid crystal display panel supporting member facing an inner side face of the second supporting member frame portion, the second supporting member frame portion fixing the liquid crystal display panel (as shown in the figure and Column 15, lines 45-46),

the particle interceptor (element 8) having at least one recess (the space formed between the vertically extended portion of element 17 and element 8) being formed in a shape of a closed loop along a face of the first supporting member frame portion (Column 13, lines 21-32; wherein the elastic member 8 is frame-shaped) facing the bottom plate of the liquid crystal display panel (element 1), the particle interceptor preventing particles from infiltrating into the particle interceptor.

As to claims 10 and 13: Niibori et al. further disclose in Column 13 lines 21-32 that the particle interceptor comprises rubber, thus is made of a material having flowability.

With respect to claim 15 (Amended): Niibori et al. disclose in Figure 19 a backlight assembly comprising:

a receiving container (element 3e) including a bottom plate and sidewalls protruded from edges of the bottom plate to form a receiving space (as shown in the figure);

a light exiting device (element 27) disposed in the receiving space to exit a light;

a liquid crystal display panel (element 1) that converts the light into an image light;

a liquid crystal display panel supporting member including a first supporting member frame portion (the horizontally extended portion of element 17), a second supporting member frame portion (the vertically extended portion of element 17) and a particle interceptor (element 8),

the first supporting member frame portion (the horizontally extended portion of element 17) having an opening (element 19a) formed in an internal face of the first supporting member frame portion,

the second supporting member frame portion (the vertically extended portion of element 17) being vertically extended directly from the first supporting member frame portion (as shown in the figure), a side face of the liquid crystal display panel (element 1) that is to be mounted on the liquid crystal display panel supporting member facing an inner side face of the second supporting member frame portion, the second supporting member frame portion fixing the liquid crystal display panel (as shown in the figure and Column 15, lines 45-46),

the particle interceptor (element 8) having at least one recess (the space formed between the vertically extended portion of element 17 and element 8) being formed in a shape of a closed loop along a face of the first supporting member frame portion (Column 13, lines 21-32; wherein the elastic member 8 is frame-shaped) facing the bottom plate of the liquid crystal display panel (element 1), the particle interceptor preventing particles from infiltrating into the particle interceptor; and

a chassis (element 3a) received in the receiving container, the chassis covering edges of a top face of the liquid crystal display panel (as shown in the figure).

### ***Response to Arguments***

Applicant's arguments with respect to all claims have been considered but are moot in view of the new ground(s) of rejection.



Applicant's arguments filed on Aug. 29, 2007 have been fully considered but they are not persuasive. Applicants argue that Uehara failed to teach or suggest that the second supporting member frame portion fixes the liquid crystal display panel, since the alleged second supporting member frame portion 152 is spaced apart from the side face of the liquid crystal panel.

The argument is not found persuasive since the claim language does not require that the second supporting member frame portion having to be close to or even in contact with the side of the liquid crystal panel so as to fix the liquid crystal panel.

Hence, in view of the fact that Uehara discloses in Figure 12 that the second supporting member frame portion 152 along with the first supporting member frame portion 150 and 154 combined helps to support and hold the liquid crystal panel 100P, therefore, the second supporting member frame portion 152 is considered to fix the liquid crystal panel.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. Patty Chen whose telephone number is (571)272-8444. The examiner can normally be reached on 8:00-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571)272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

W. Patty Chen  
Examiner  
Art Unit 2871

WPC  
11/14/07

  
ANDREW SCHUCHTER  
PATENT EXAMINER